

# SEQUENCE LISTING

SEQ ID No 1 is a cDNA clone (pTOM6) (See Figure 1).

5 SEQ ID No 2 is the amino acid sequence of the translated cDNA clone shown in Figure 1.

SEQ ID No 3 is a nucleotide sequence encoding the PG enzyme which is deposited as pTOM23 with NCIMB (Accession Number 12373).

10 SEQ ID No 4 is a cDNA sequence from a tomato species (*Lycopersicon esculentum*) and is shown below.

## SEQ ID No 4

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15 TCTCTCTCTTCATCTCTGTTTCACACCAAAGAAATGCACACTAAAATTCATCTTCTCTCCC 60
   TGCACTCTTACTTCTTCTTCTGTTCTCACTACCATCTTTCAATGTTGTTGTAGGTGGAGAT 120
   GGTGAATCTGGTAACCCATTACACCCAAAGGTTATCTGATTAGGTACTGGAAGAAACAA 180
   ATCTCAAATGACTTACCAAAGCCATGGTTTCTTCTGAACAAGGCATCTCCATTGAATGCT 240
   GCACAATATGCAACTTACACTAAACTTGTGCTGATCAAAATGCACTCACCACACAGCTC 300
   CATACTTTTGTCTCTTCAGCAAATCTCATGTGTGCACCAGATCTGTCACCAAGTCTTGAA 360
20 AAACACAGTGGAGATATCCATTTTGCCTTACAGTGACAAAACTTTACCAATTATGGA 420
   ACCAATGAACCTGGAATTTGGAGTTAACACTTTCAAGAACTACTCTGAAGGAGAAAACATC 480
   CCTGTAAATTTCTTTCAGGCGATATGGTAGAGGTTCTCCCGTGACAATAAATTTGACAA 540
   TACGCCTCTGATGGCAATGTTATTGACCAAAGTTTCAATTCCTATAGCACAAGTACTGCT 600
   GGAGGTTTCAGGCAAAATTCACAAATTACGCGGCGAATGCCAATGACCCCAATCTGCATTTC 660
25 ACTTCCTATTTCCGATCAAGGAACAGGAGGTGTACAGAAATTCACAATATACTCACAAGAA 720
   GCCAATGCTGGTGACCAGTATTTCAAAGTTACGGCAAAATGGGAATGGTGCTAATGGT 780
   GAATTCGTGAGCTATGGAATGACACAAATGTTATCGGCTCAACATTTACAAATTATGGT 840
   CAGACAGCAAATGGGGGAGACCAAAAATTCACATCTTATGGTTTCAACGGCAATGTTCCCT 900
   GAAATCATTTTACCAACTATGGTGCTGGAGGTAATGGTCCATCTGAAACTTTTAATAGT 960
30 TACAGAGATCAATCGAATGTTGGAGATGACACATTCACCTACCTATGTTAAGGATGCAAA 1020
   GGGCGTGAAGCGAATTTACCAACTATGGTCAATCATTCAATGAAGGTAAGTATGATTTC 1080
   ACTACTTACGGCAAGGGGTAATGACCCACATATCAATTTCAAACCTTACGGAGTTAAC 1140
   AACACTTTCAAAGATTATGTCAAAGATACTGCTACATTTTCCAATTACCAACAACAAACT 1200
   TCCCAAGTTTTCAGCATCGTTGATGGAGGTCAACGGTGGTAAAAAGGTGAATAACCGGTGG 1260
35 GTTGAGCCCGGAAAGTTTTTCCGGGAGAAGATGTTGAAGAGTGGTACAATCATGCCTATG 1320
   CCAGATATAAAGGATAAGATGCCTAAAAGGTCTTTTTGCCCCGGGTGATTGCTTCCAAA 1380
   TTACCATTTTCTACTTCAAAAATGCTGAGCTGAAGAAATCTTCCACGCCGGTGATGAG 1440
   TCTCAGTGGAGAAGATGATCGGCGATGCATTGAGTGAGTGGAAGAGCACCGAGCGCC 1500
   GGTGAGACGAAACGATGTGTTAATTCAGCTGAAGATATGATTGATTTCGCAACATCAGTG 1560
40 TTGGGTCGAAACGTCGTCGTTTCAACGACTGAGGATACAAAAGGATCAATGGGAATATC 1620
   ATGATTGGATCAGTCAAAGGAATCAACGGTGGAAAAGTTACTAAATCAGTATCATGTCTAT 1680
   CAAACGCTGATCCCTTACTTACTGTATTACTGTCTTCCGTTTCCAAAAGTCCGGGTCTAC 1740
   GAAGCGGATATTTTGGACCGGAATCAAAGGTTAAGATCAATCATGGTGTGCGGATTGTC 1800
   CACGTGGATACATCTTTCATGGGGACCGAGTCACGGAGCGTTTGTGCGACTCGGGTCGGGA 1860
45 CCCGGGAAAATAGAAAGTTTGTCAATGGATCTTTGAGAATGATATGACTTGGGCAATTGCT 1920
   GATTGAGAAAAAAGAAATGAAATAATATGCAAAATTTCTAATTCGGGTGCAACCGG 1980
   GTGTGTTACAAGAGAAGAAAAAGGTACCACTGGTTTGACTTTTATAGTAATTATTATT 2040
   ATTATAGTCTTAATTTATATTTTGTAGTAATTTTCGTGTAAGTTTCTTTTGCCTTCATTA 2100
   AGTATGAATGGCTATCAATTTACACTATTGTTATGTAATCATTTTATTGTTGACTCATA 2160
50 TTTGAGCAAGGTAATGTAGTTATTGCCAGATG2192

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